FIG. 1

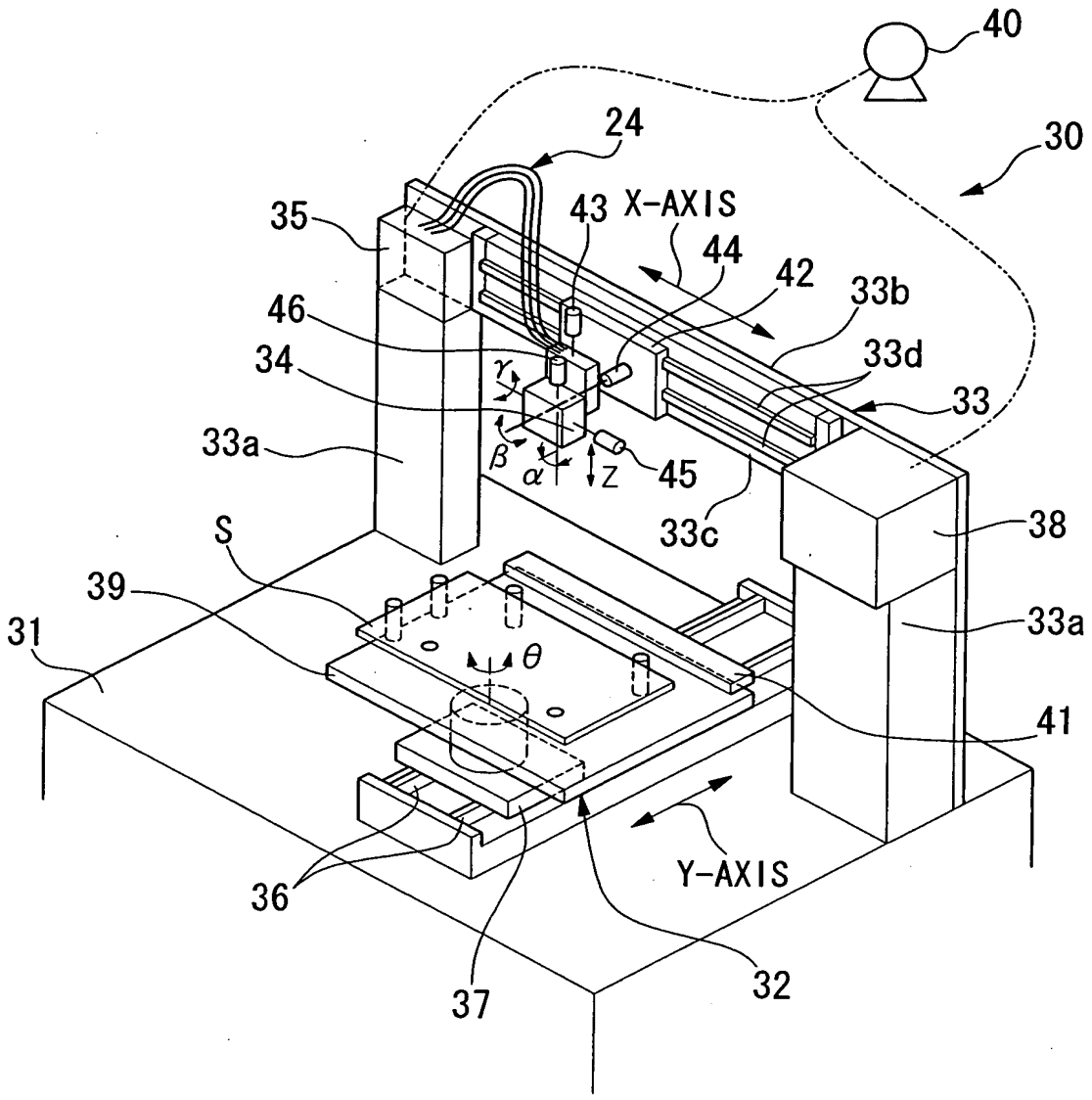

40
24
30
35
43
X-AXIS
44
42
33b
46
33d
34
γ
33
33a
β
α
Z
45
33c
38
S
39
33a
31
θ
41
Y-AXIS
36
37
32

FIG. 2A

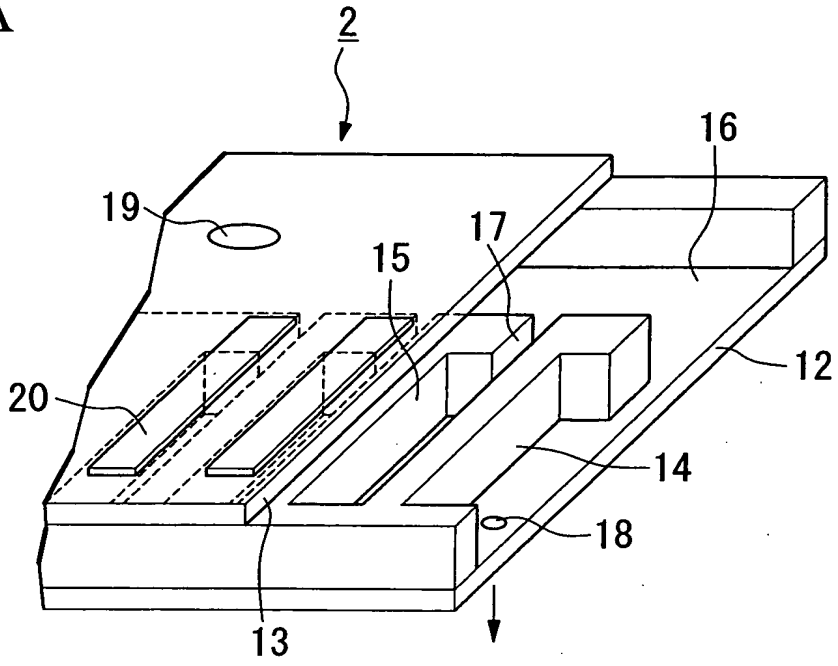


FIG. 2B

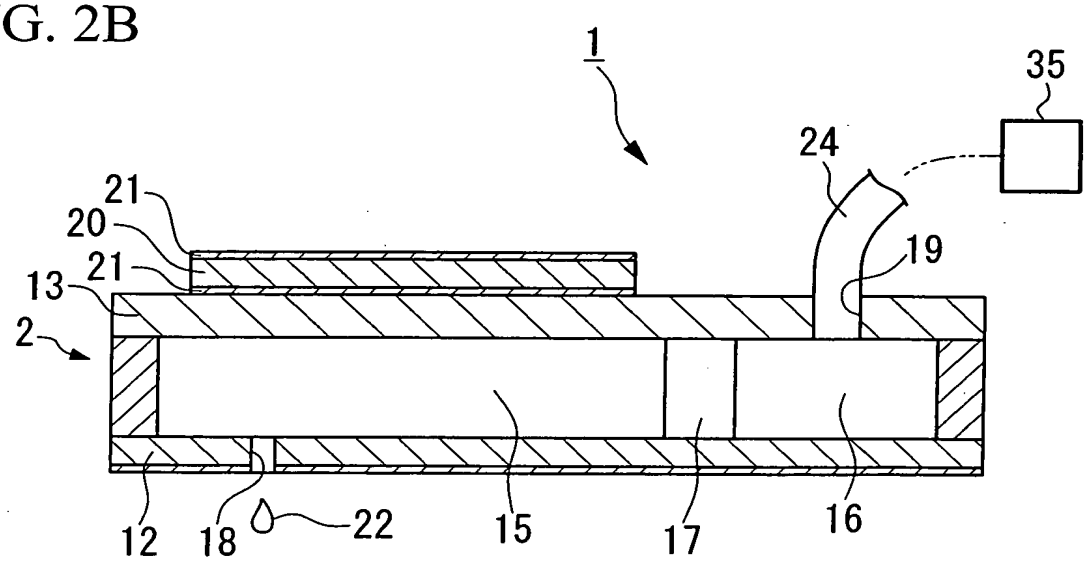


FIG. 3

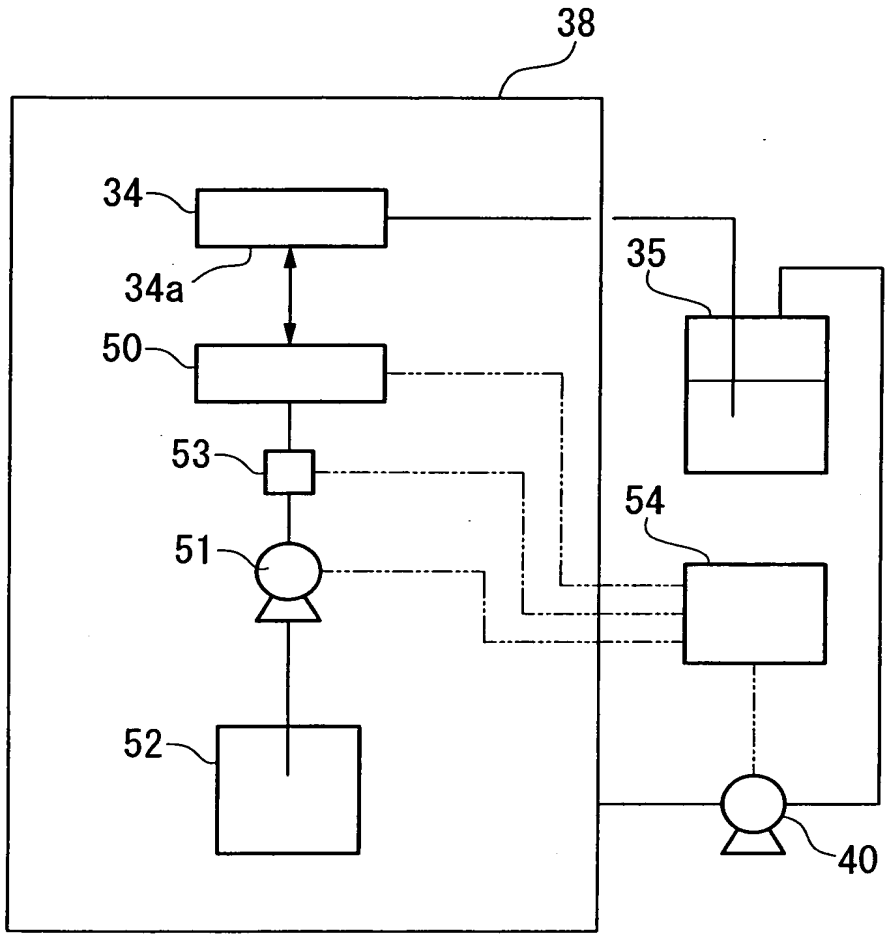


FIG. 4

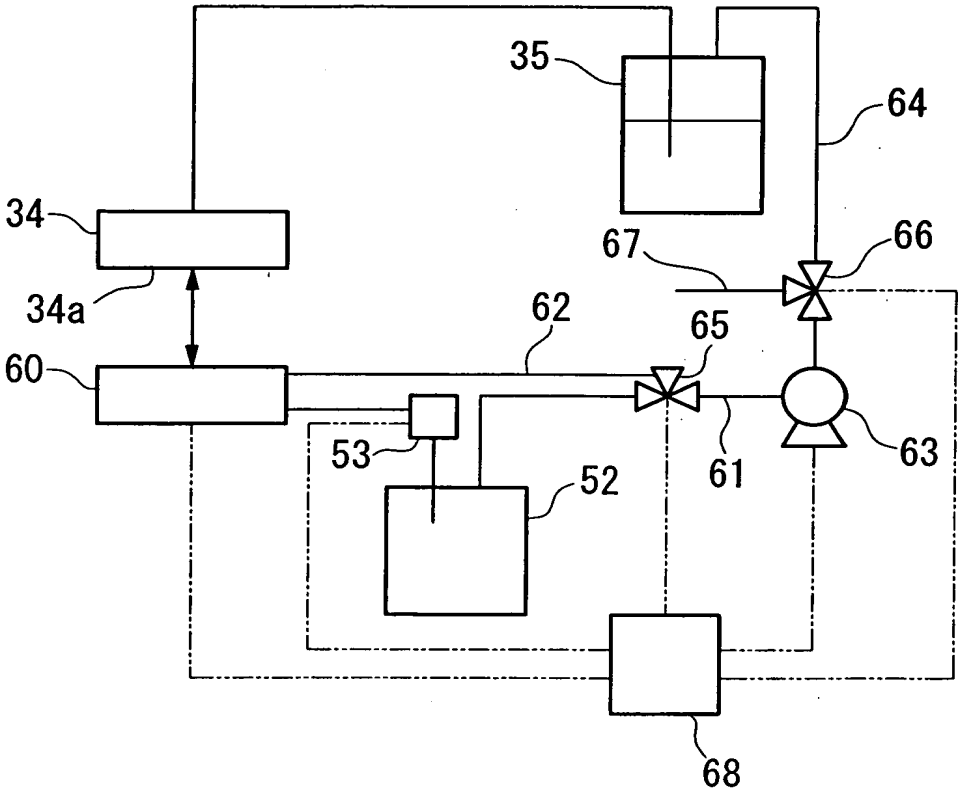
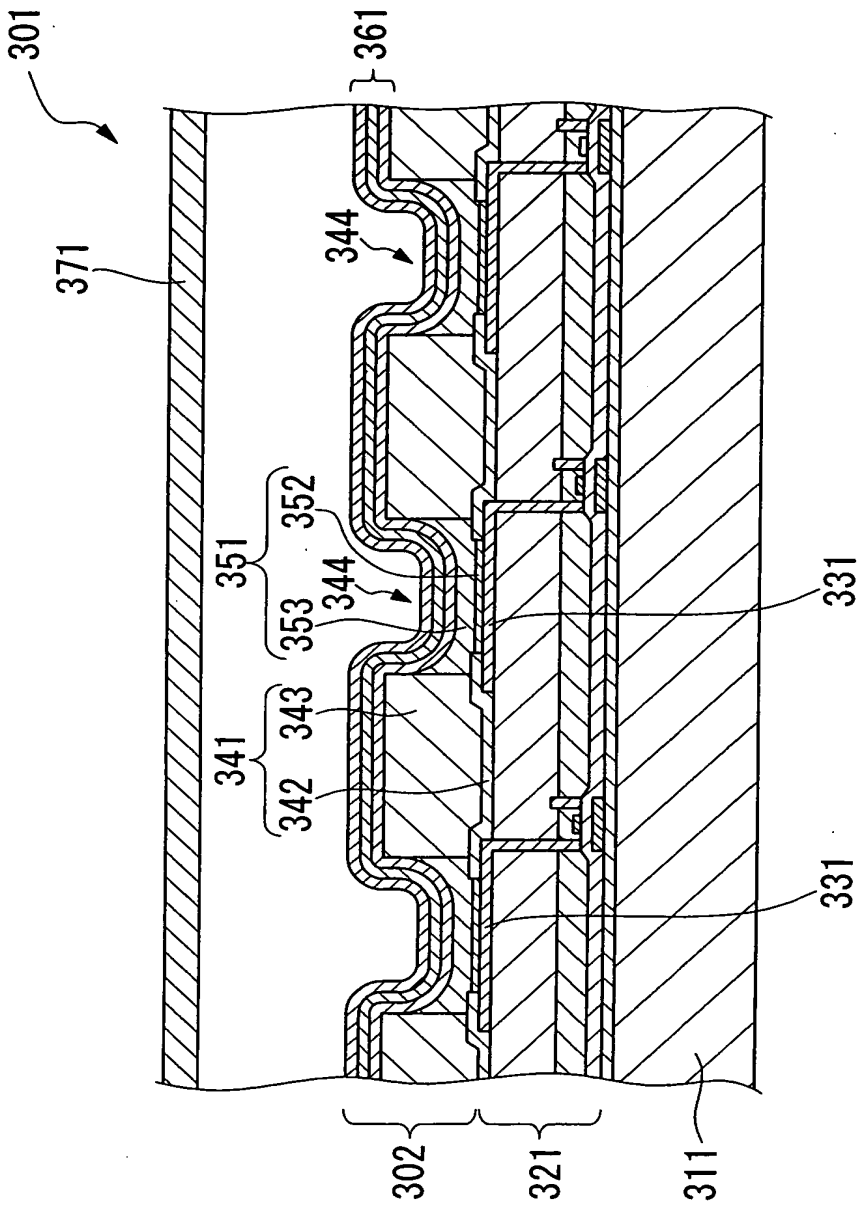


FIG. 5



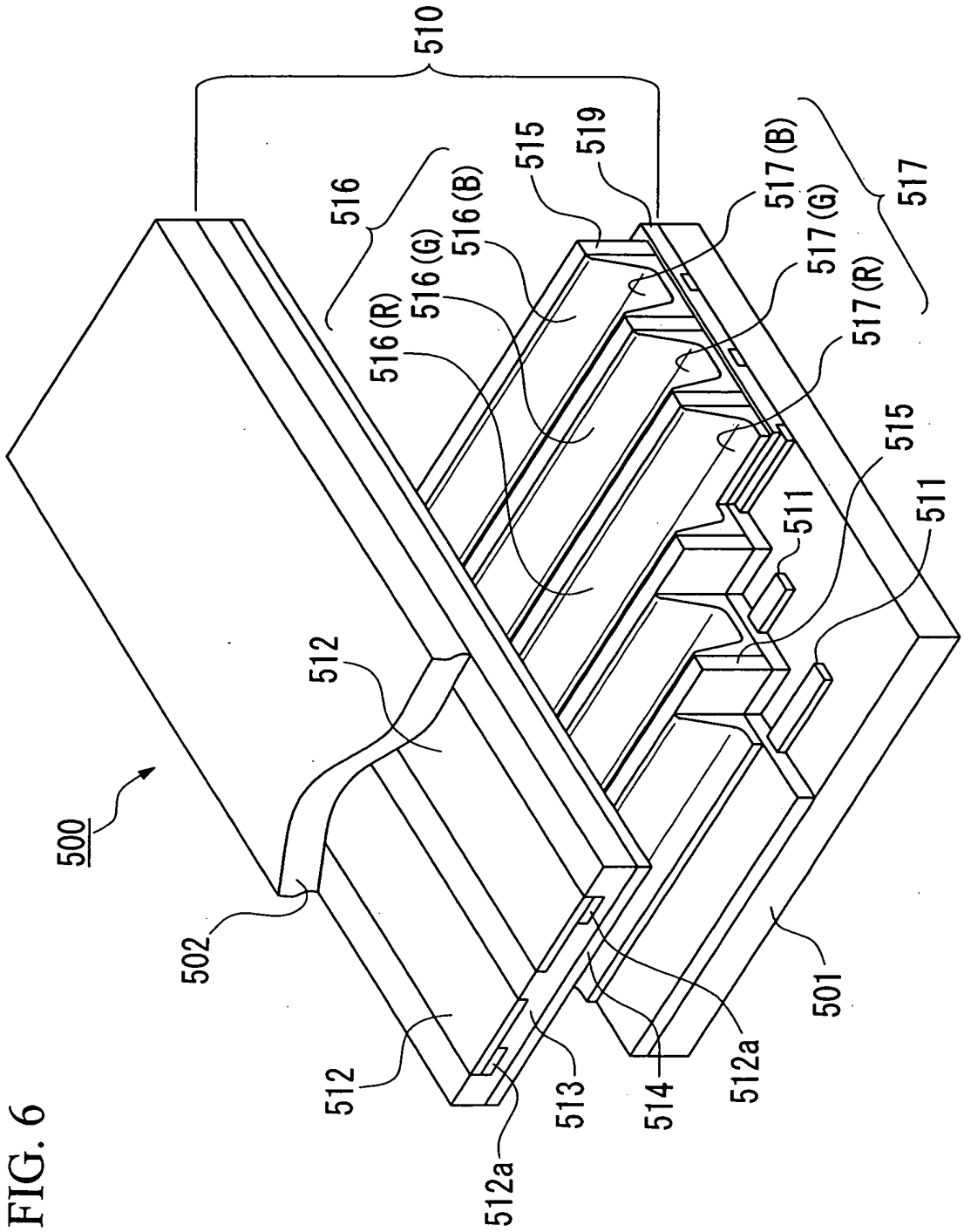

510
516
516(B)
515
519
517(B)
517
516(G)
517(G)
516(R)
517(R)
515
511
511
512
500
502
512
513
514
512a
501
512a

FIG. 6

FIG. 7A

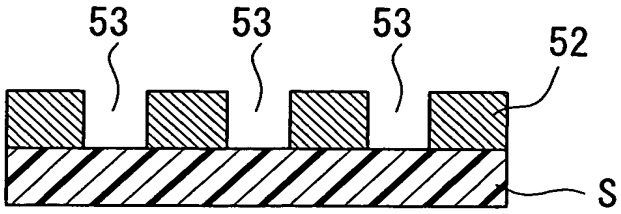


FIG. 7B

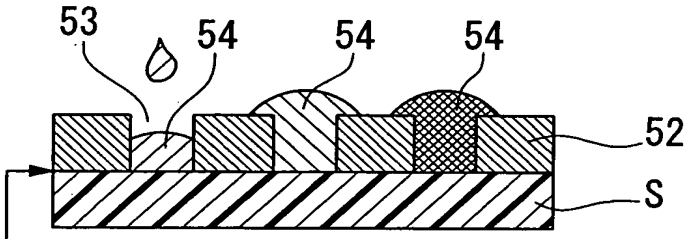


FIG. 7C

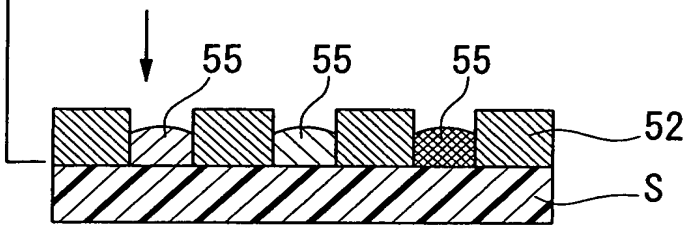


FIG. 7D

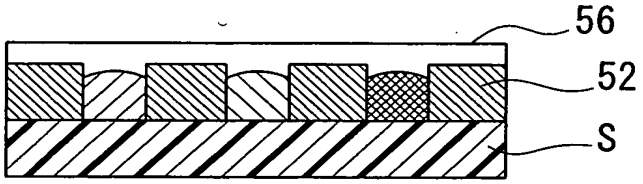


FIG. 7E

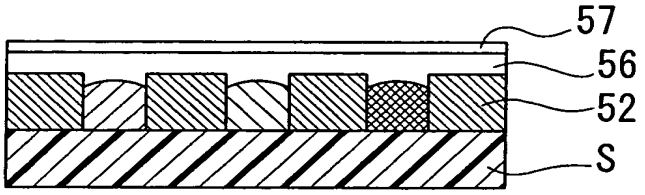


FIG. 7F

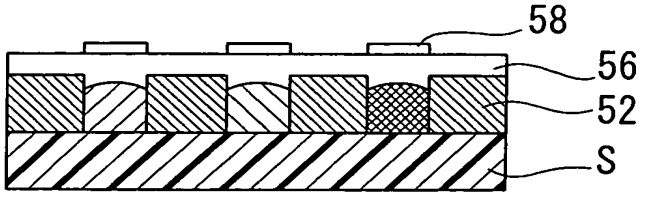


FIG. 8

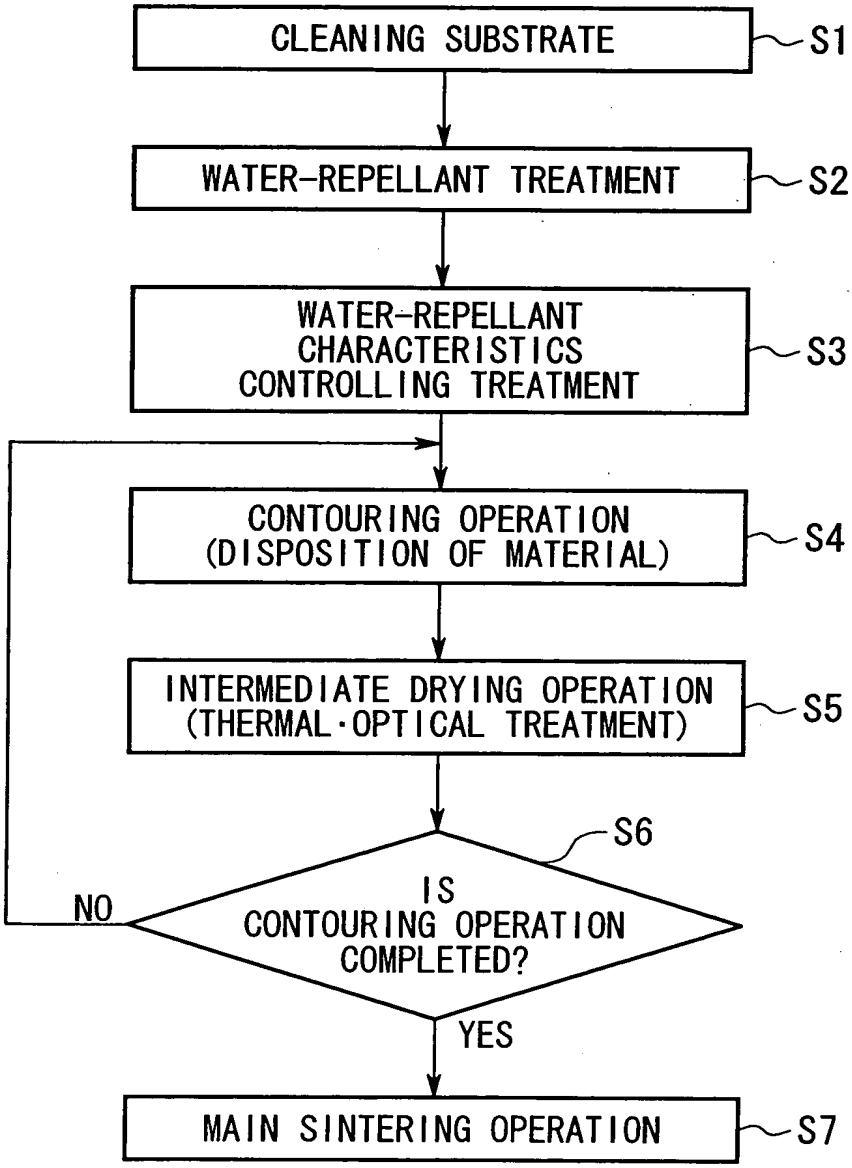

CLEANING SUBSTRATE
S1
WATER-REPELLANT TREATMENT
S2
WATER-REPELLANT CHARACTERISTICS CONTROLLING TREATMENT
S3
CONTOURING OPERATION (DISPOSITION OF MATERIAL)
S4
INTERMEDIATE DRYING OPERATION (THERMAL·OPTICAL TREATMENT)
S5
S6
IS CONTOURING OPERATION COMPLETED?
NO
YES
MAIN SINTERING OPERATION
S7

FIG. 9A

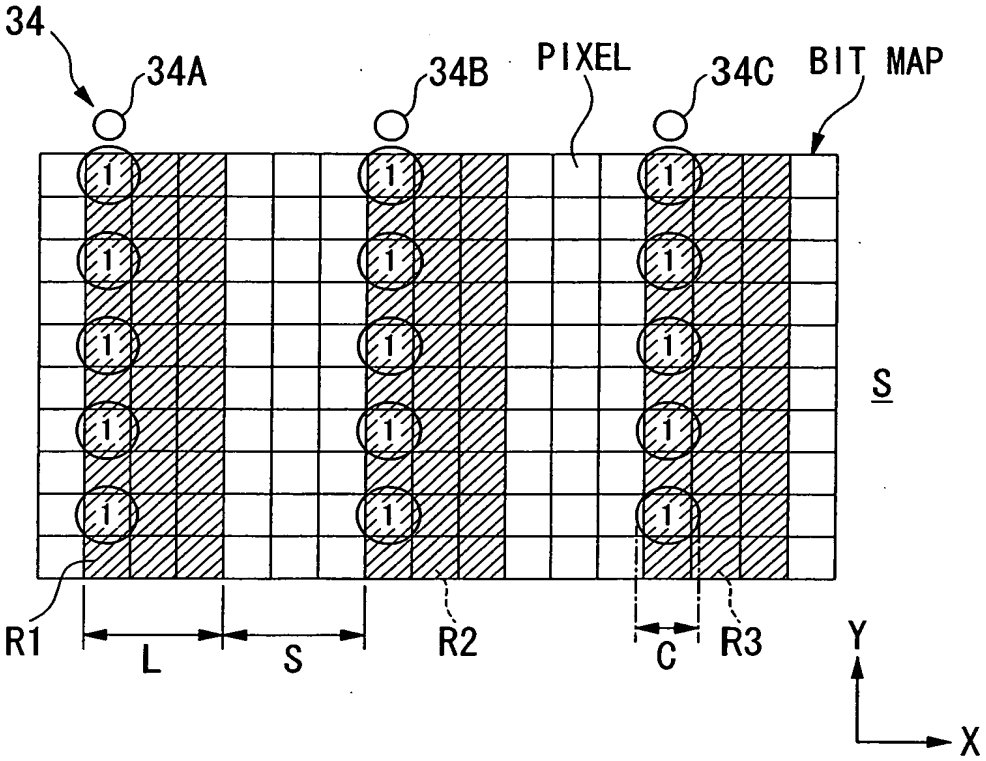

34
34A
34B
PIXEL
34C
BIT MAP
S
R1
L
S
R2
C
R3
Y
X

FIG. 9B

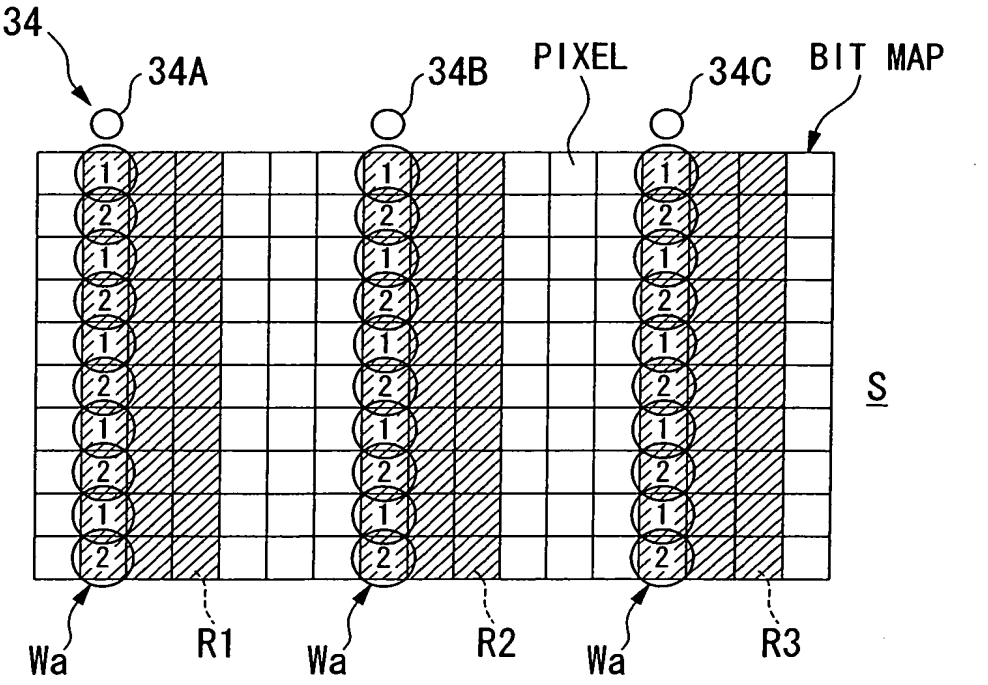

34
34A
34B
PIXEL
34C
BIT MAP
S
Wa
R1
Wa
R2
Wa
R3

FIG. 10A

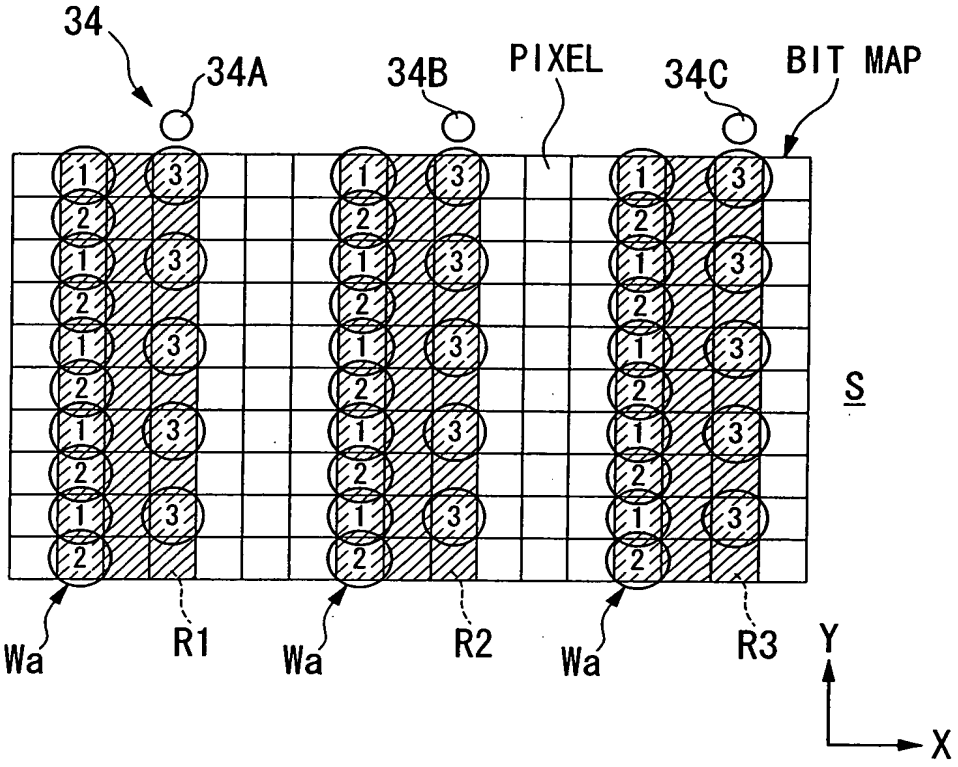


FIG. 10B

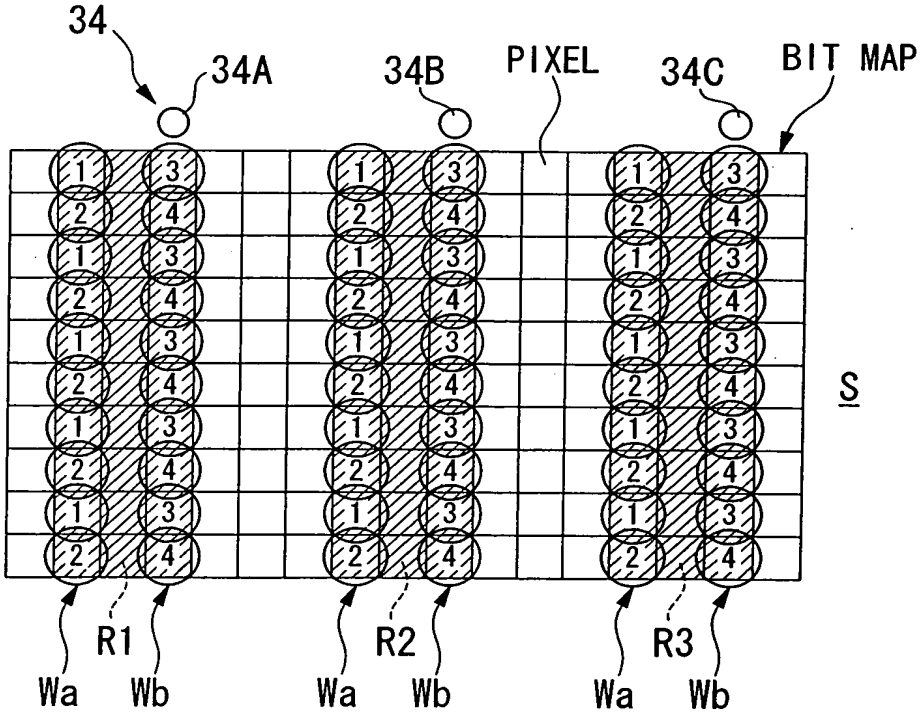


FIG. 11A

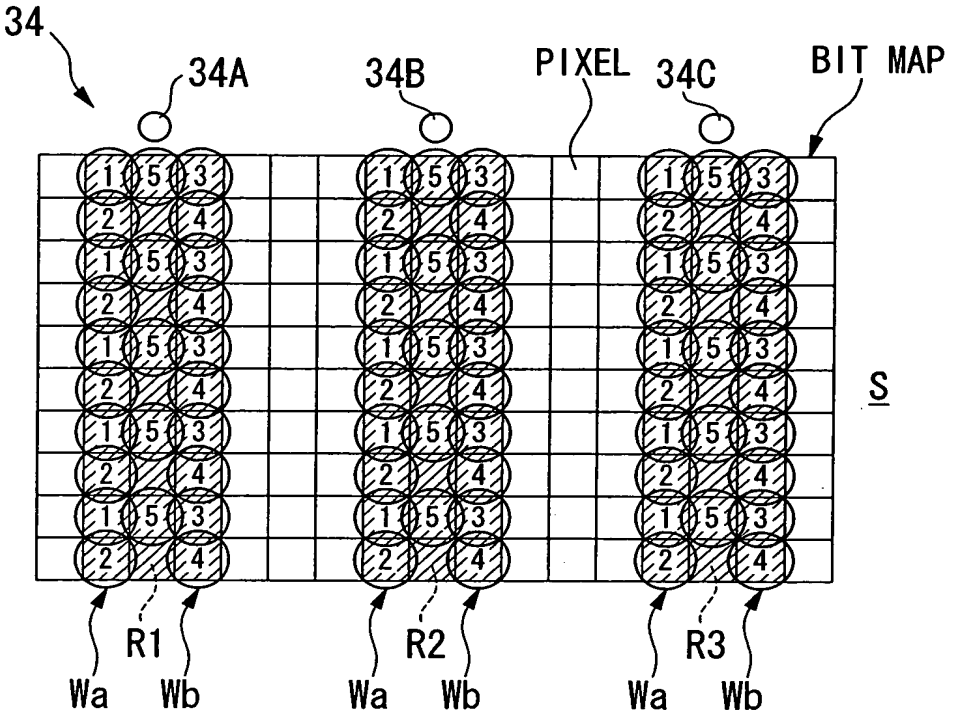


FIG. 11B

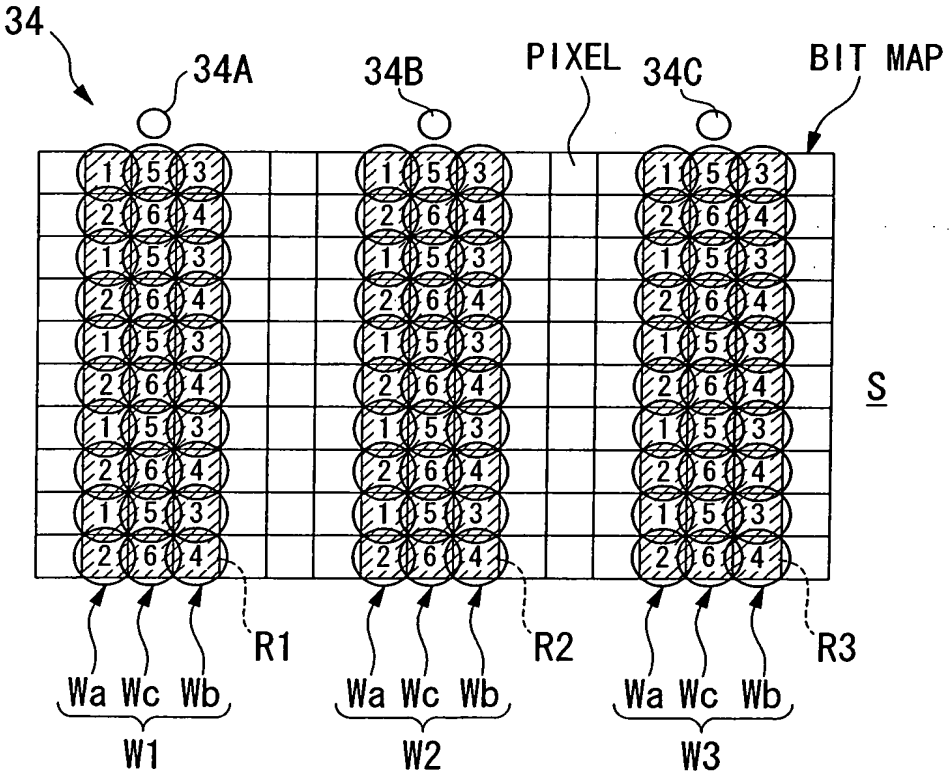


FIG. 12A

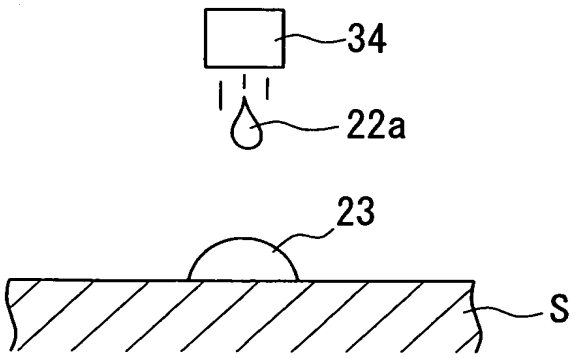


FIG. 12B

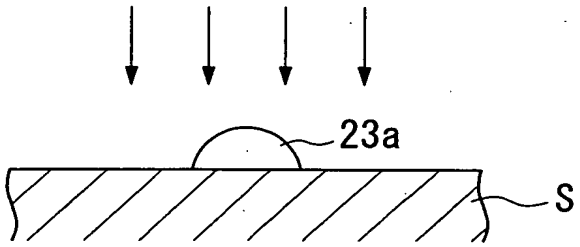


FIG. 12C

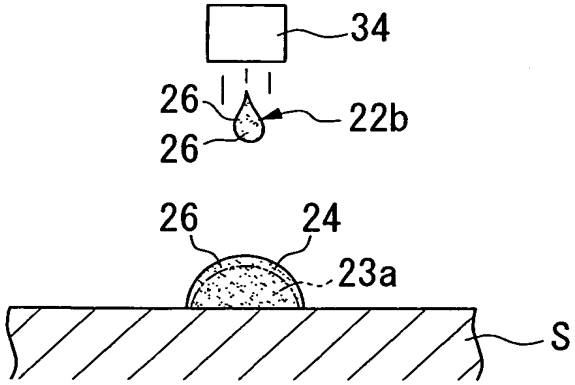


FIG. 12D

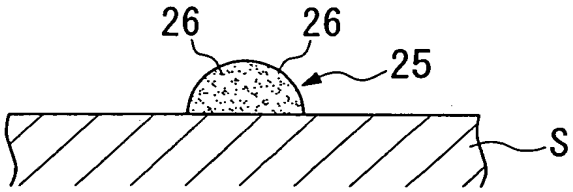


FIG. 13A

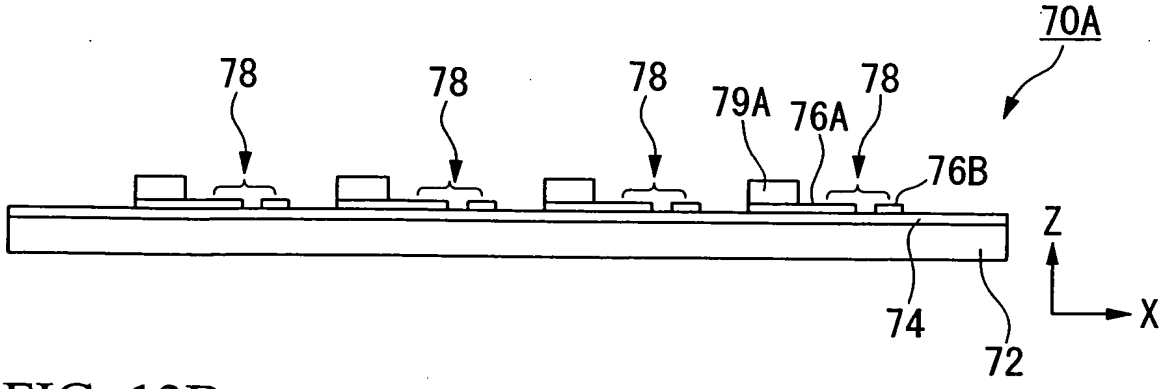


FIG. 13B

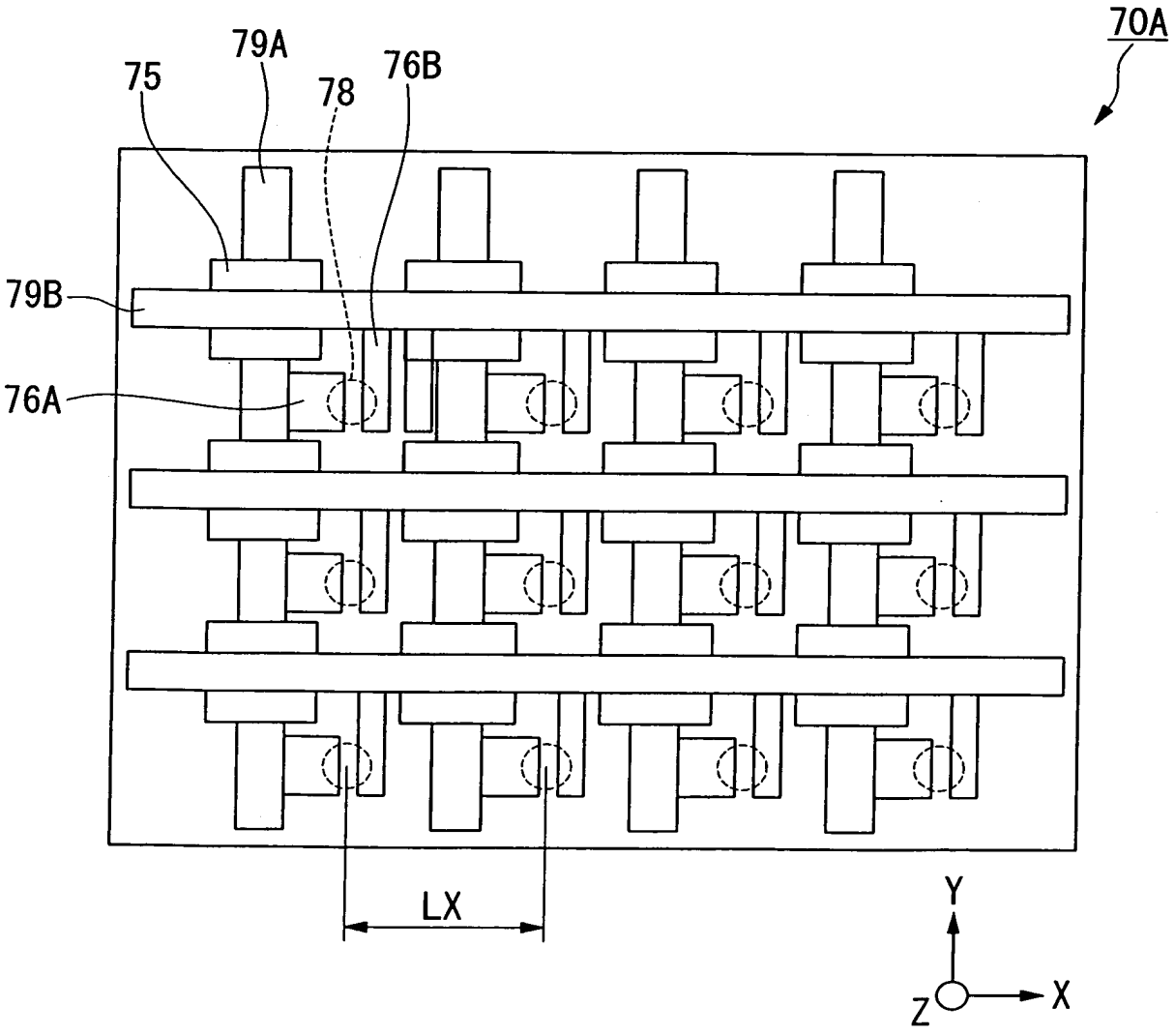


FIG. 14A

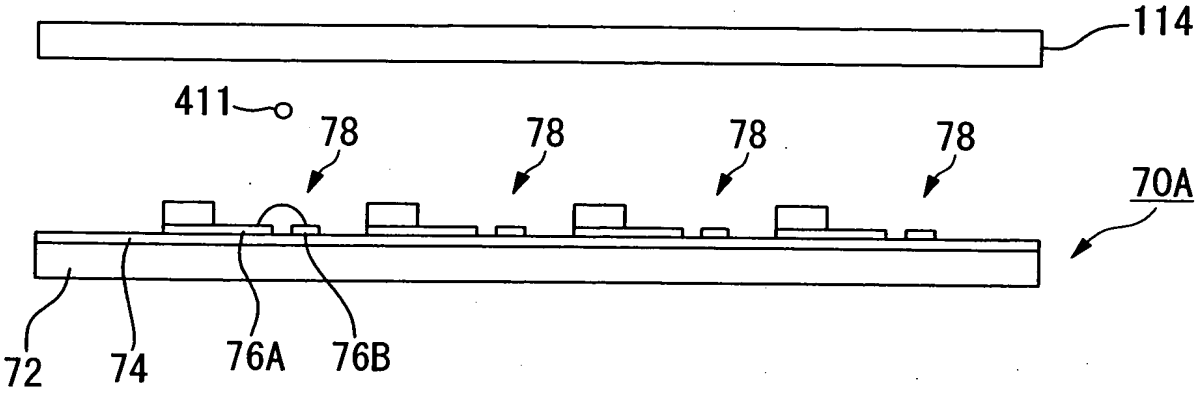


FIG. 14B

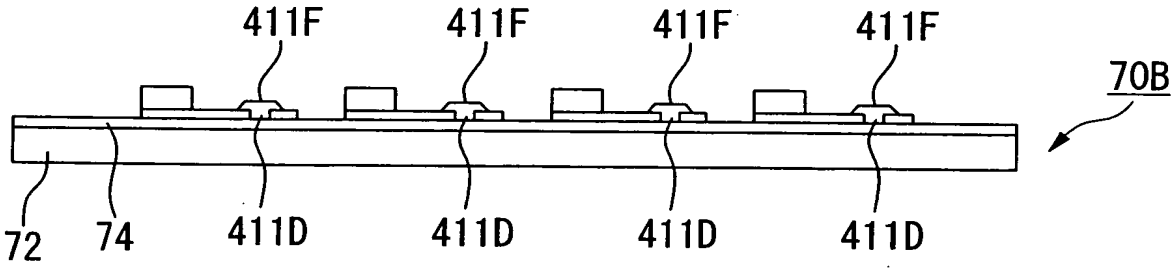


FIG. 14C

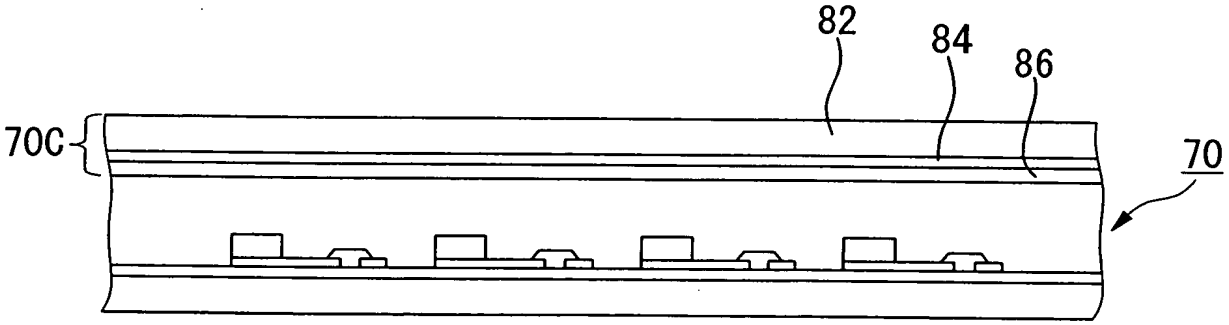
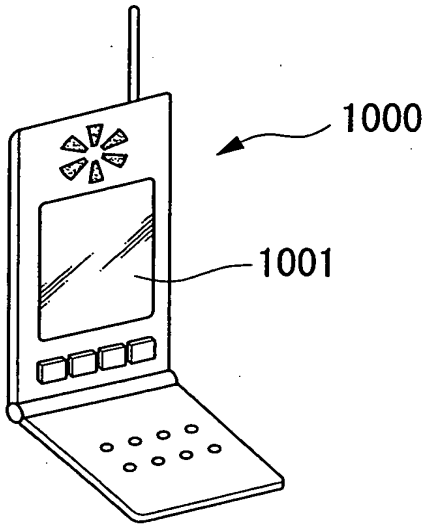



FIG. 15